

## **Amendments to the Claims**

This list of claims will replace all prior versions and listings of claims in this application.

### **Listing of Claims**

Claims 1 – 6 (Cancelled)

Claim 7 (Currently Amended)

A sensor system for detecting pedestrian collision in the front region (4) of a motor vehicle (1), the sensor system having comprising:

at least one fiber optic sensor (5) that extends in the front region (4) of the motor vehicle (1) largely over the entire vehicle width (19), which sensor is deformable by the collision of the motor vehicle with an object (18, 20, 21) in the front region (4) wherein a signal is generated by the fiber optic sensor (5) and which generates a signal owing to the collision of the motor vehicle with an object (18, 20, 21) and wherein, in addition to the fiber optic sensor (5), there is arranged in the front region (4) of the motor vehicle (1)

at least one infrared sensor (6) in the first region (4) of the motor vehicle (1) that generates a signal in response to detection of an animate object (18, 20) for distinguishing between the collision of the motor vehicle (1) with animate (18, 20) and inanimate objects (21).

Claim 8 (Previously Presented)

The sensor system for detecting a pedestrian collision as claimed in Claim 7, wherein the fiber optic sensor (5) is integrated in the front fender (3) of the motor vehicle (1).

Claim 9 (Previously Presented)

The sensor system for detecting infrared sensor (6) is integrated in the front fender (3) of the motor vehicle (1).

Claim 10 (Previously Presented)

The sensor system for detecting a pedestrian collision as claimed in Claim 7, wherein the signals of the fiber optic sensor (5) and of the infrared sensor (6) are evaluated by a control unit (7).

Claim 11 (Currently Amended)

The sensor system for detecting a pedestrian collision as claimed in Claim 7, further including wherein the a control unit (7) is also ~~fed connected to receive~~ signals from a temperature sensor (17), ~~that are evaluated in the control unit (7) in addition to the signals of~~ the fiber optic sensor (5) and ~~of~~ the infrared sensor (6).

Claim 12 (Currently Amended)

The sensor system for detecting a pedestrian collision as claimed in Claim 7, further including wherein the a control unit (7) is also ~~fed connected to receive~~ signals from a tachometer (22), ~~that are evaluated in the control unit (7) in addition to the signals of~~ the fiber optic sensor (5), ~~of~~ the infrared sensor (6) and ~~of the a~~ temperature sensor (17).